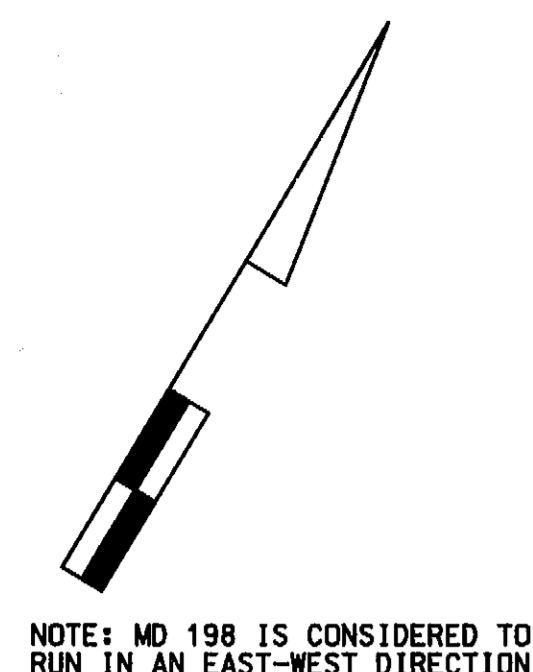


DRILL HOLES

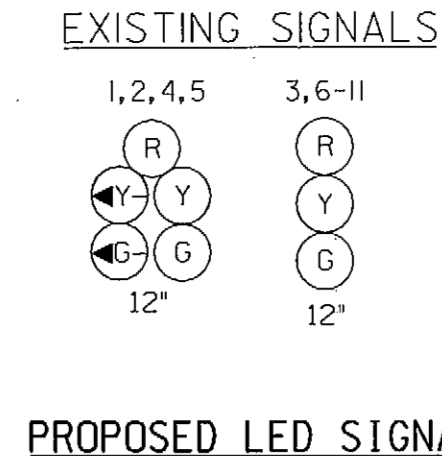
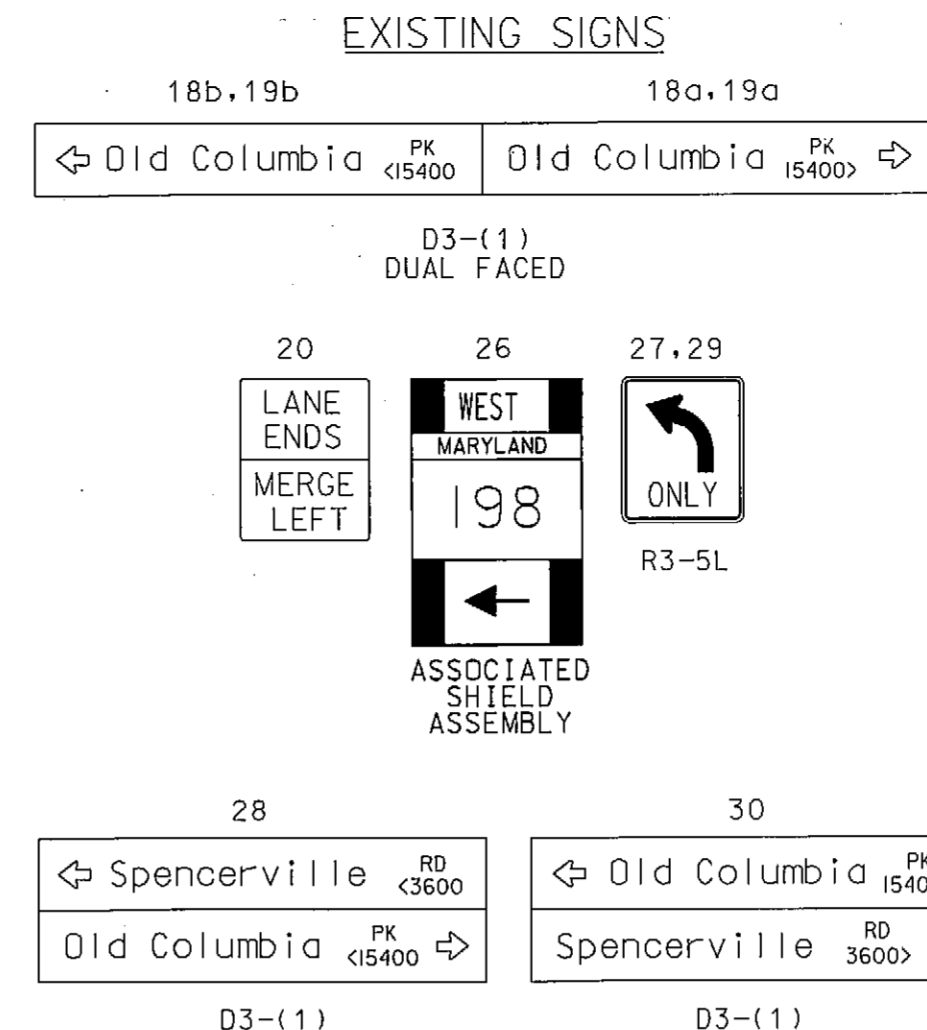
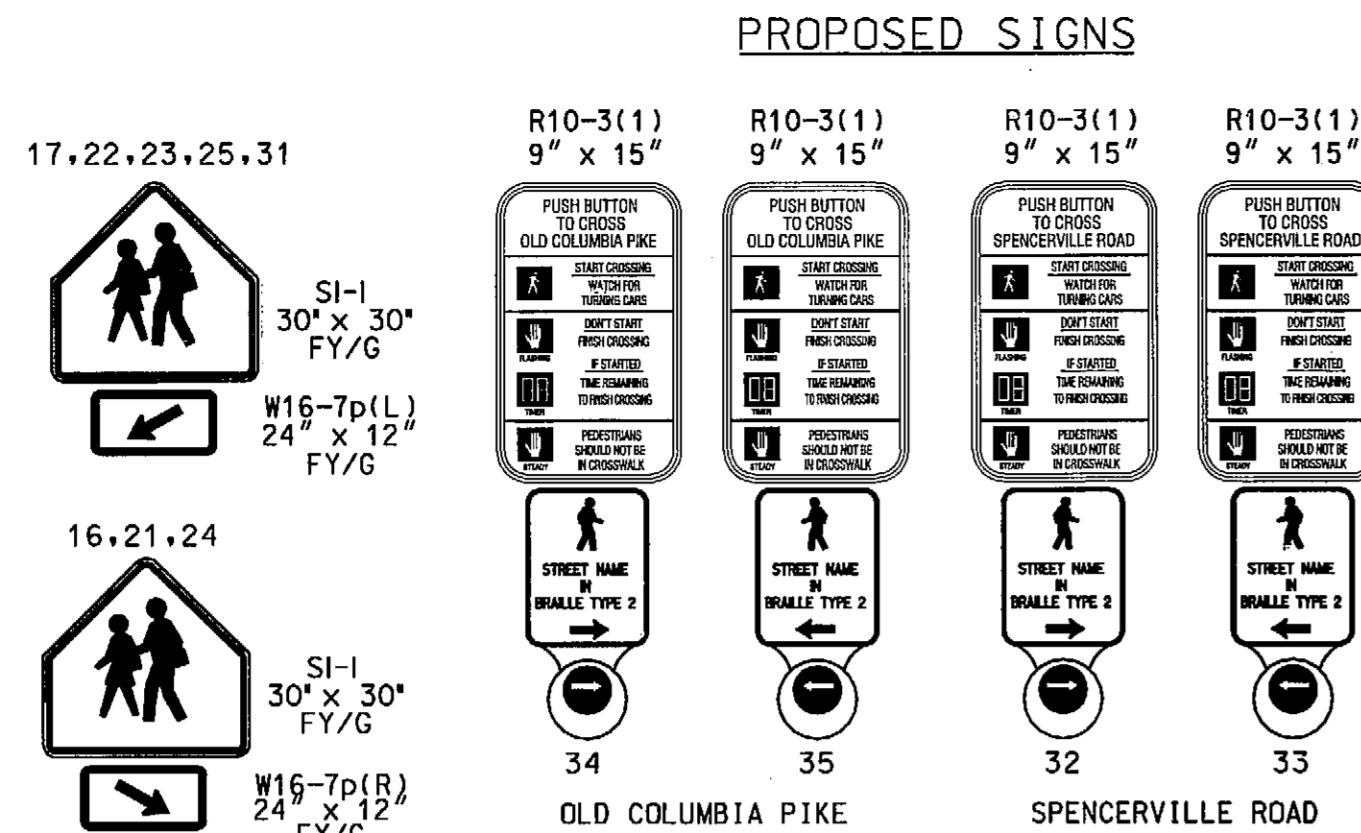
DRILL HOLES

DRILL HOLES

BORDER REV. DATE: JUNE 1, 2004



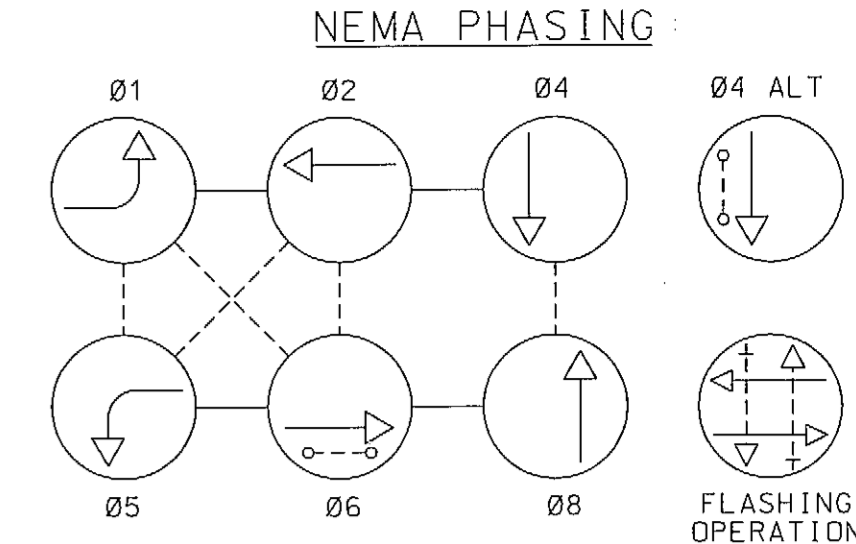
NOTE: MD 198 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION.



PROPOSED LED SIGNALS



LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD



PHASING NOTES:

1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

- CONSTRUCTION DETAILS**
- A. Install 10' pedestal pole (with breakaway coupling system, modified foundation STD No. 801.01-01), Countdown pedestrian signal head, and audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- B. Install 5' breakaway pedestal pole (with breakaway coupling system, modified foundation STD No. 801.01-01), Countdown pedestrian signal head, and audible pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
- C. Install 6' x 30' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
- D. Install handhole.
- E. Install 1" galvanized steel electrical conduit (detector wire sleeve).
- F. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- G. Remove existing non-standard "SCHOOL CROSSING" signs and post. Install new ground mounted signs on new wood post as shown.
- H. Install proposed sidewalk ramp (Note: See Sheet 2 of 3 "ADA Ramp Detail Plan").
- J. Install proposed island cut thru (Note: See Sheet 2 of 3 "ADA Ramp Detail Plan").
- K. Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)
- L. Install 24" white, heat applied permanent preformed thermoplastic pavement marking. (stopline)
- M. Install 175' of 5" double yellow, permanent preformed thermoplastic pavement marking. (centerline)
- N. Install 100' of 5" white, permanent preformed thermoplastic pavement marking. (laneline)
- O. Remove existing pedestrian signal head from mast arm pole.
- P. Remove existing pedestrian signal heads, pushbutton and pedestrian education sign from mast arm pole and install Countdown pedestrian signal heads as shown.
- Q. Remove existing pedestrian signal heads, pushbutton and pedestrian education sign from mast arm pole.
- R. Remove existing pavement markings (crosswalk).
- S. Remove existing pavement markings (stopline).
- T. Use existing handhole.
- U. Use existing conduit.
- V. Use existing cabinet and controller. (Note: Montgomery County Forces shall install 2-wire Control Unit into cabinet).
- W. Remove existing overhead R10-12 sign.
- X. Remove existing pedestrian signal head and and install Countdown pedestrian signal head. Install pole mounted sign as shown.
- Y. Remove existing sidewalk ramp (Note: See Sheet 2 of 3 ADA Ramp Detail Plan).
- Z. Remove existing ground mounted "SCHOOL CROSSING" sign and wood post.
- aa. Remove existing concrete pad.
- bb. Install white, heat applied permanent preformed thermoplastic pavement symbol at existing location. (Left Arrow)
- cc. Install white, heat applied permanent preformed thermoplastic pavement symbol at existing location. (ONLY).
- dd. Install 75' of 5" white, permanent preformed thermoplastic pavement marking. (Puppy Tracks)
- ee. Existing electrical service to be maintained by BGE.
- ff. Install ground mounted sign as shown.

NOTE: THE PROPOSED CROSSWALKS SHALL BE CROSS HATCHED BUT ARE NOT ON THIS PLAN FOR CLARITY.

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
- The contractor shall remove all unused wiring.

TOD NO: XX445-31
SHA NO: M0206A59/B59
MD 198 @ Old Columbia Pike/School Access Rd

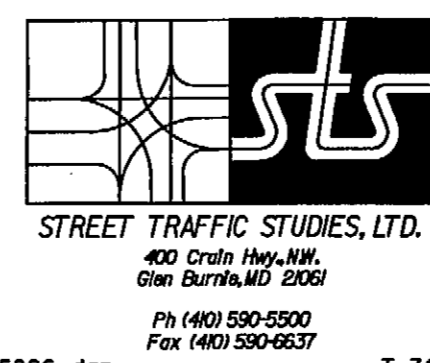
SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

**MD 198 (SPENCERVILLE RD) AND
OLD COLUMBIA PIKE/ BURTONSVILLE
ELEMENTARY SCHOOL DRIVEWAY**

GEOMETRIC LEGEND

PROPOSED
EXISTINGLEGEND OF UNDERGROUND
AND OVERHEAD UTILITIES

AERIAL CABLE
ELECTRIC
TELEPHONE
GAS
SEWER
WATER
CABLE TV



5896.dgn

T-71

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

1-10-11
ADD GPS / APS AND ADA RAMP
SHA NO: XX4455185 TMS NO: 1515
RRZ/KW/BDH

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE 5-24-00 CONTRACT NO.

DESIGNED BY R. ZACHERL COUNTY MONTGOMERY
DRAWN BY ROB CICHINI LOGMILE IS019803.15
CHECKED BY TMS NO.
F.A.P. NO. TOD NO.

TS NO. 4088A DRAWING NO. 1 OF 3 SHEET NO. OF

PLOTS: 846TIME4
FILE: 8FILES
75:4008